

IN THE CLAIMS:

Please enter the following amended claims:

1. (currently amended) A seal for providing sealing between at least two separate and differing pressure zones each exposed to differing sources of pressure and between a rotating structure and non-rotating structure, comprising first and second sealing means, the first sealing means comprising first and second seal lands positioned either side of a rotating seal member, said seal lands being connected together via connecting means, said connecting means being movably mounted on said non-rotating structure and arranged to be moveable so as to accommodate relative movement of said rotating and non-rotating structures, said second seal means being arranged and positioned to provide a seal between said non-rotating structure and the first seal land positioned in a lower pressure zone such that the pressure around the first seal land is controlled, at least a portion of the connecting means, at least one of the first and second seal lands and the non-rotating structure defining a first chamber, the first chamber being permanently connected to one of the pressure zones,

the connecting means and the first and second seal lands defining a portion of the second chamber, the at least a portion of the connecting means and the at least one of the first and second seal lands being imperforate such that the first chamber is isolated from the second chamber, said connecting means comprising a yoke which is flexibly attached to the non-rotating structure.

2. (previously presented) A seal as claimed in claim 1 wherein the two seal lands comprise two opposing magnets arranged to repel one another.

3. (original) A seal as claimed in claim 2 wherein the magnetic sealing lands comprise rings.

4. (original) A seal as claimed in claim 3 wherein the rings comprise segmented magnetic rings.

5. (original) A seal as claimed in claim 4 wherein seals are provided between the segments of the magnetic rings.

6. (original) A seal as claimed in claim 2 wherein said rotating seal member comprises a rotating sealing disc of a conducting material.

7. (original) A seal as claimed in claim 6 wherein said rotating sealing disc is located in an intermediate pressure zone.

8 – 15 were previously cancelled as drawn to the non-elected invention.

Claims 16-22 are herewith withdrawn and cancelled.

Claim 23 is cancelled herewith.

Claims 24 and 25 were previously withdrawn and cancelled as drawn to the non-elected invention.

26. (original) A seal as claimed in claim 1 wherein said rotating sealing member comprises a rotating sealing fin attached to a rotor of a gas turbine engine and said non rotating structure comprises an adjacent static structure of the gas turbine engine.

27. (original) A seal as claimed in claim 26 wherein the rotor is a compressor rotor.